(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 18 November 2004 (18.11.2004)

PCT

(10) International Publication Number WO 2004/100120 A3

(51) International Patent Classification7:

G09G 3/34

(21) International Application Number:

PCT/IB2004/050562

(22) International Filing Date:

3 May 2004 (03.05.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03101242.0

5 May 2003 (05.05.2003) EP

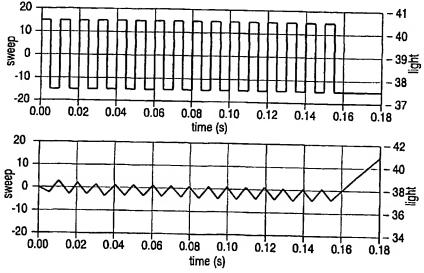
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: ELECTROPHORETIC DISPLAY DEVICE



(57) Abstract: A display device comprises electrophoretic particles, a display element comprising a pixel electrode and a counter electrode between which a portion of the electrophoretic particles are present and a controller for supplying a drive signal to the electrodes to bring the display element in a predetermined black or white state, corresponding to the image information to be displayed. In order to improve the refresh time of the display, the controller is further arranged for supplying a preset signal preceding the drive signal comprising a preset pulse having an energy sufficient to release the electrophoretic particles at a first position near one of the two electrodes corresponding to a black state, but too low to enable the particles to reach a second position near the other electrode corresponding to a white state. The duration of the preset pulses is less than 19 msec, preferably between 1 and 10 msec. Setting the duration of the preset pulses to less than 19 msec reduced visible flicker F.

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SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,

IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 27 January 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

Intermal Application No
PCT/IB2004/050562

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Name and mailing address of the ISA Authorized officer								
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk							
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Harke, M								

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INTERNATIONAL SEARCH REPORT



Box II Observations where certain	claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not be	een established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject mat	ter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the an extent that no meaningful Intern	International Application that do not comply with the prescribed requirements to such ational Search can be carried out, specifically:
	s and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
	invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found	multiple inventions in this international application, as follows:
see additional sheet	
As all required additional search fee searchable claims.	s were timely paid by the applicant, this international Search Report covers all
As all searchable claims could be se of any additional fee.	earched without effort justifying an additional fee, this Authority did not invite payment
3. As only some of the required addition covers only those claims for which fe	nal search fees were timely paid by the applicant, this International Search Report ses were paid, specifically claims Nos.:
4. No required additional search fees we restricted to the invention first mention 1-10,12,13,17,18	ere timely paid by the applicant. Consequently, this International Search Report is ned in the claims; it is covered by claims Nos.:
Remark on Protest	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10,12,13,17,18

The first concept concerns an electrophoretic display with a drive means applying a preset pulse before the drive pulse, wherein the preset pulse has a duration of less than 19 msec and more than 0.5 msec.

2. claims: 11,14-16

The second concept concerns an electrophoretic display with a drive means applying a preset pulse before the drive pulse, wherein the preset pulse has a duration of less than 19 msec, and wherein a first preset signal having a first phase is applied to a first group of display elements, and a second preset signal having a second phase opposite to the first phase is applied to a second group of display elements.

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